

EPA Response to Hurricane Harvey

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Director, Superfund Division
Region 6

HARVEY'S HISTORY

AUGUST 2017



STALLS OVER TEXAS
ON AUG. 26

HARVEY'S FINAL LANDFALL
NEAR CAMERON, LA
ON AUG. 30

LANDFALL AS CAT. 4
ON TEXAS COAST
AUG. 25

STRENGTHENS INTO A
HURRICANE AUG. 24

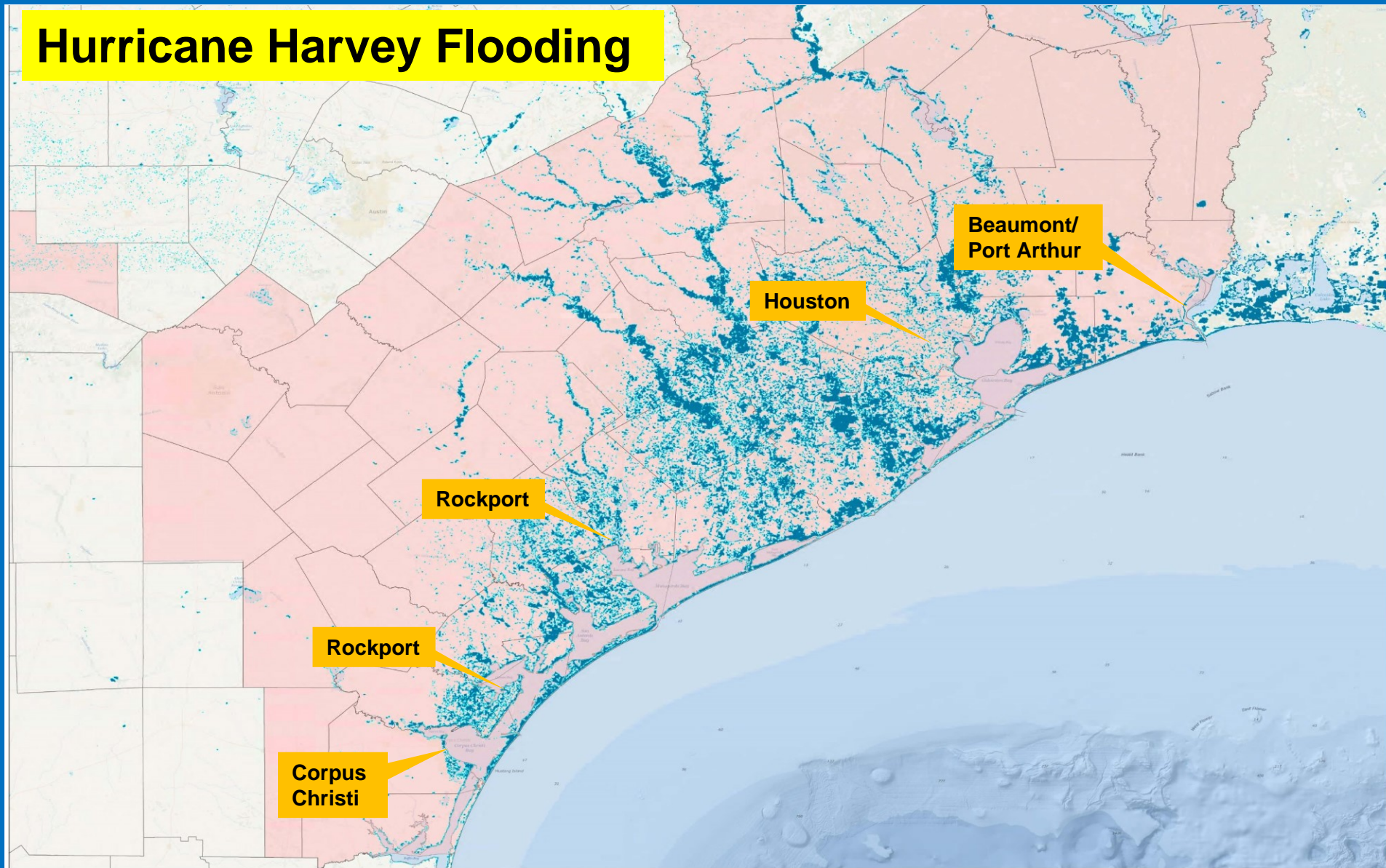
DEGENERATED INTO A
TROPICAL WAVE AUG. 19

INVEST 91L
DESIGNATED AUG. 13

REFORMS INTO
TROPICAL STORM
AUG. 23

HARVEY NAMED
AUG. 17

Hurricane Harvey Flooding



Legend



Inundation Boundary Extent



State Declared Counties

US EPA Region 6 Hurricane Harvey Response Flood Area Map in Hurricane Harvey Declared Areas



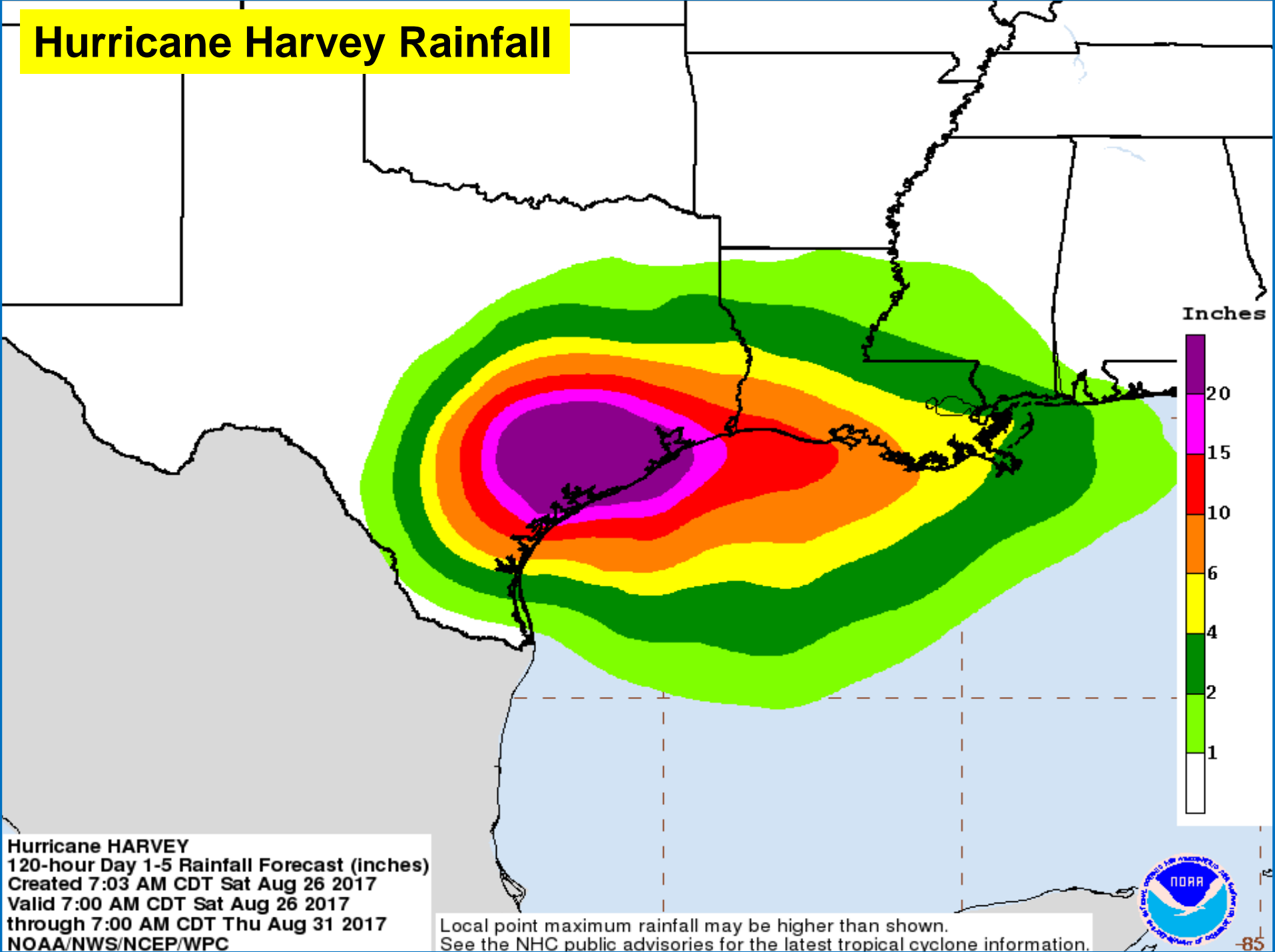
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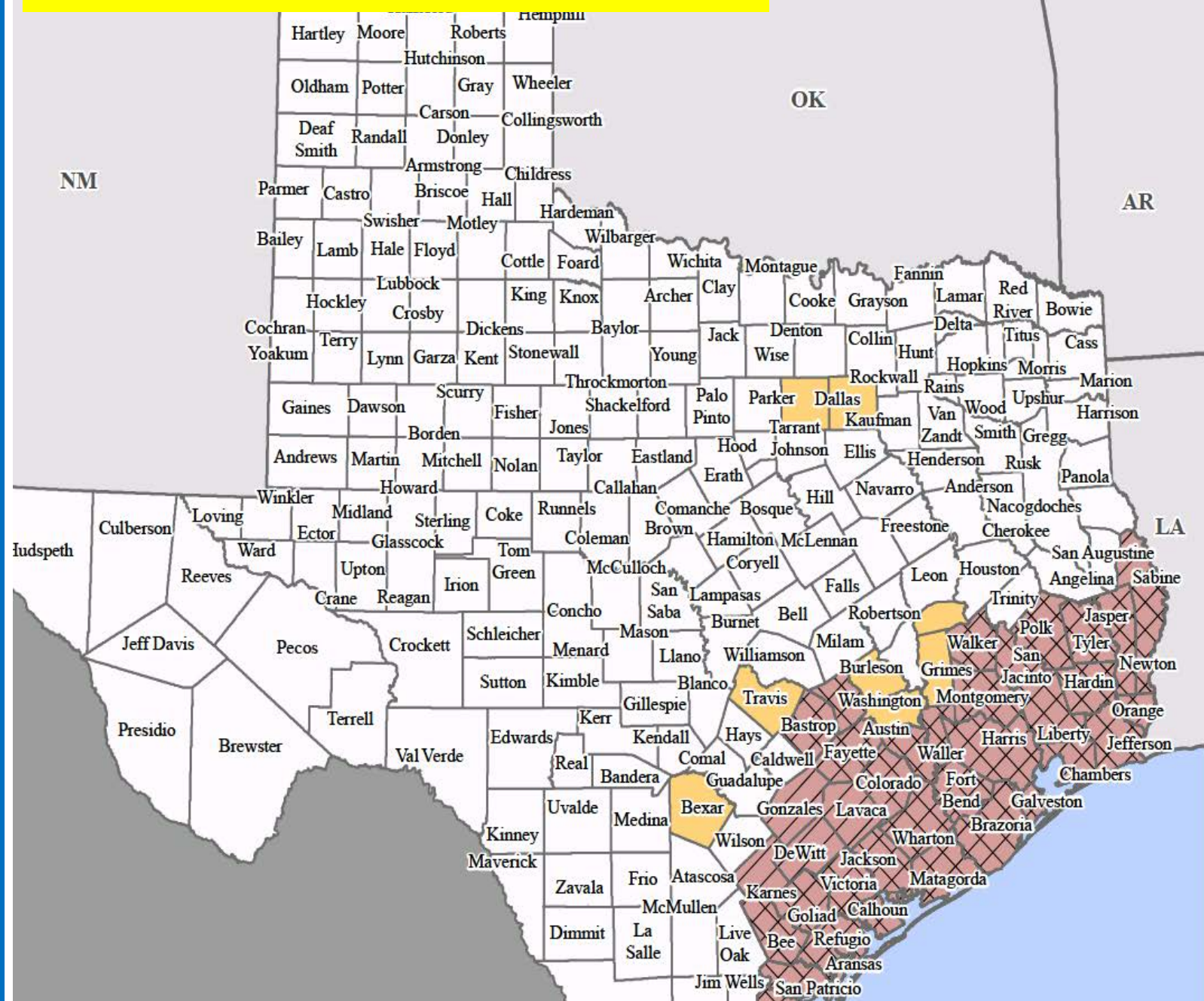
EPA GIS

Printed: 9:15:52 AM 9/10/2017

Hurricane Harvey Rainfall



Presidential Declared Counties








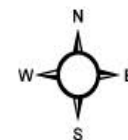
Data Layer/Map Descri

The types of assistance that have been designated for selected areas in the State of Texas

All designated areas in the State of Texas are eligible to apply for assistance under the FEMA Mitigation Grant Program.

Designated Counties

-  No Designation
 Public Assistance
 Public Assistance
 B)
 Individual Assist
 Public Assistance
 A and B)
 Individual Assist
 Public Assistance
 A - G)





National Incident Management Objectives

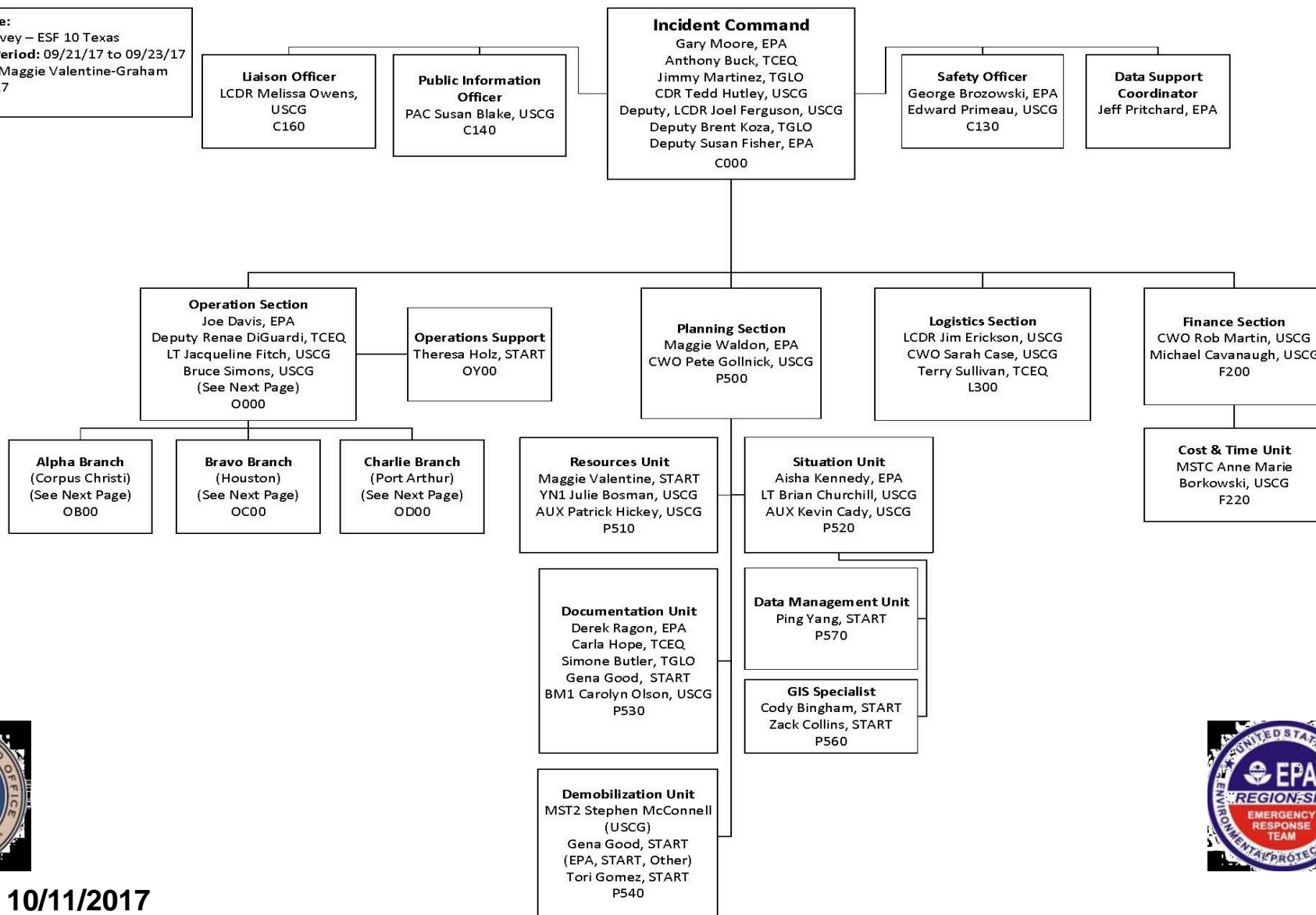
- Objective 1: Ensure that health and safety of the EPA response is considered at all times.
- Objective 2: Establish an incident management structure and processes employing the Incident Command System to enable effective overall management of the event with deployment of resources (staff and equipment) in a rapid, aggressive and well-coordinated manner.
- Objective 3: Ensure prompt Review and Processing of Fuel Waiver requests.
- Objective 4: Prepare for and provide Rapid Assessment of Industrial facilities as requested by the State or under EPA's statutory program responsibilities for CERCLA Superfund, RMP and FRP facilities. Working with our state partners, contact industrial sources within the impacted area to determine their operational status and determine what support can be provided with the monitoring of the start-up of industrial sources.
- Objective 5: Prepare for and provide Rapid Assessment & Technical Assistance Drinking Water & Wastewater facilities as requested by the State or local government. EPA will support our state partners in contacting drinking water and waste water systems.
- Objective 6: Prepare a Sustained Response Plan that outlines the resource and equipment needs for a long duration response.
- Objective 7: Activate the Agency's Crisis Communication Plan to insure effective and efficient coordination of all incident communications.
- Objective 8: Encourage a collaborative federalism approach, where national, state and local governments interact cooperatively and collectively to solve common problems.



ESF-10 Unified Command Organization Chart



Incident Name:
Hurricane Harvey – ESF 10 Texas
Operational Period: 09/21/17 to 09/23/17
Prepared by: Maggie Valentine-Graham
Date: 09/20/17
Time: 1800



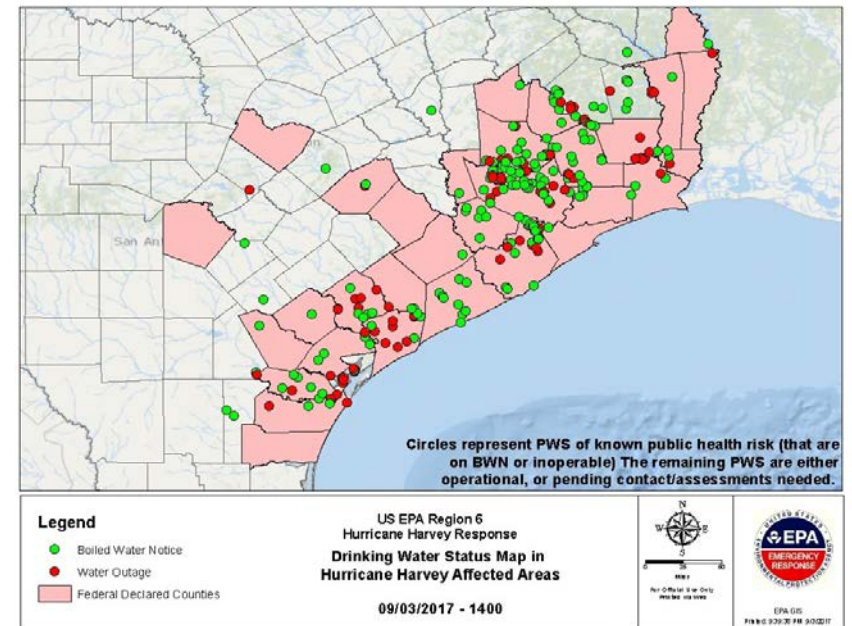
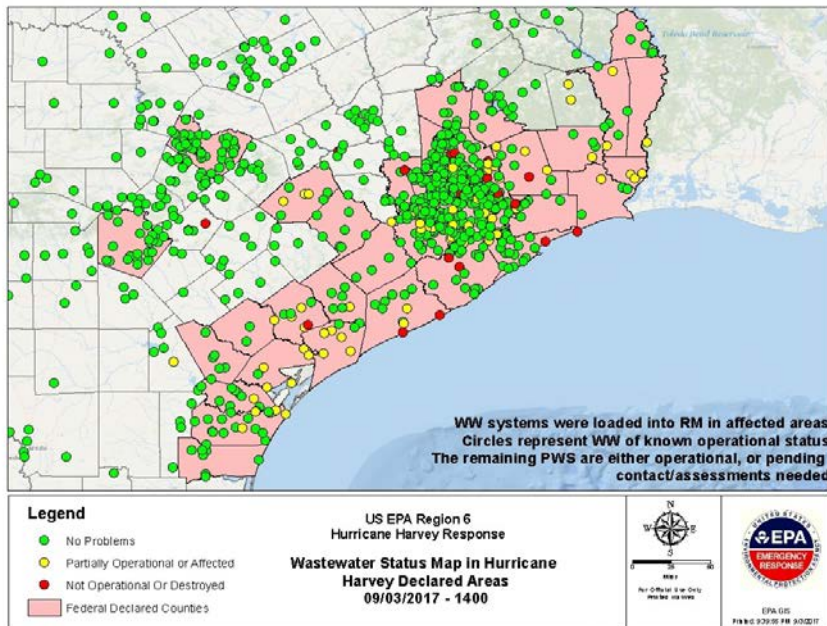


Arkema Chemical Facility, Crosby, TX

Drinking Water / Waste Water Assessments



Water Assessment Team –
Houston Area Branch



Orphaned Container Recovery

Port Arthur Orphan
Container Recovery



Corpus Christi Orphan Container
Recovery – Port Aransas



Alpha Branch – EPA OSCs Sampling
Drums at Pad in Level B



Debris – Landfill / Staging Area Observers



Community Liaisons



Superfund Sites

San Jacinto Pits: Completed repairs on the western portion of the southern berm.



Responsible Party contractors began manual probing of underwater cap with oversight by EPA Dive Team representative at the San Jacinto Waste Pits.

